OIPE IAP22
SEP 22 2005
PATENT & TRADEMARK OFFICE

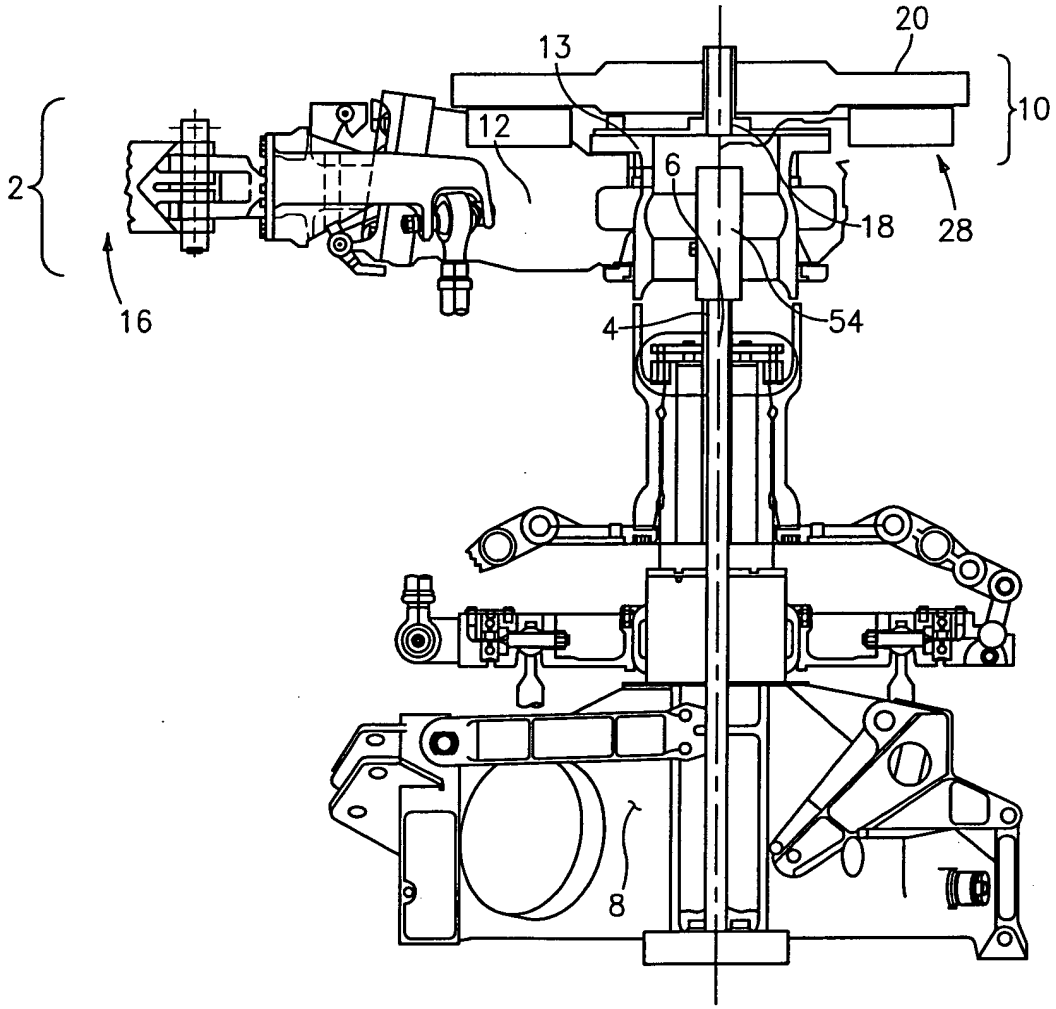

FIG. 2

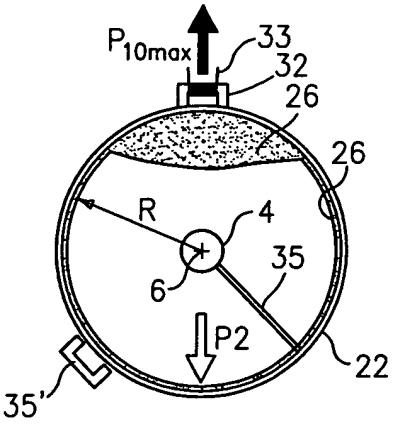

FIG. 3a

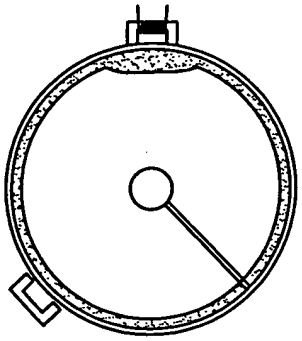

FIG. 3b

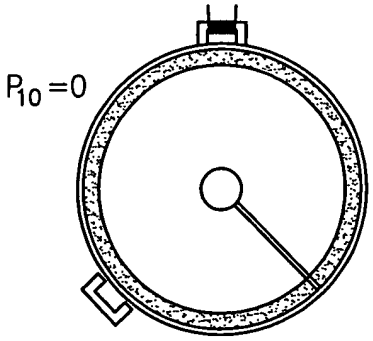

FIG. 3c

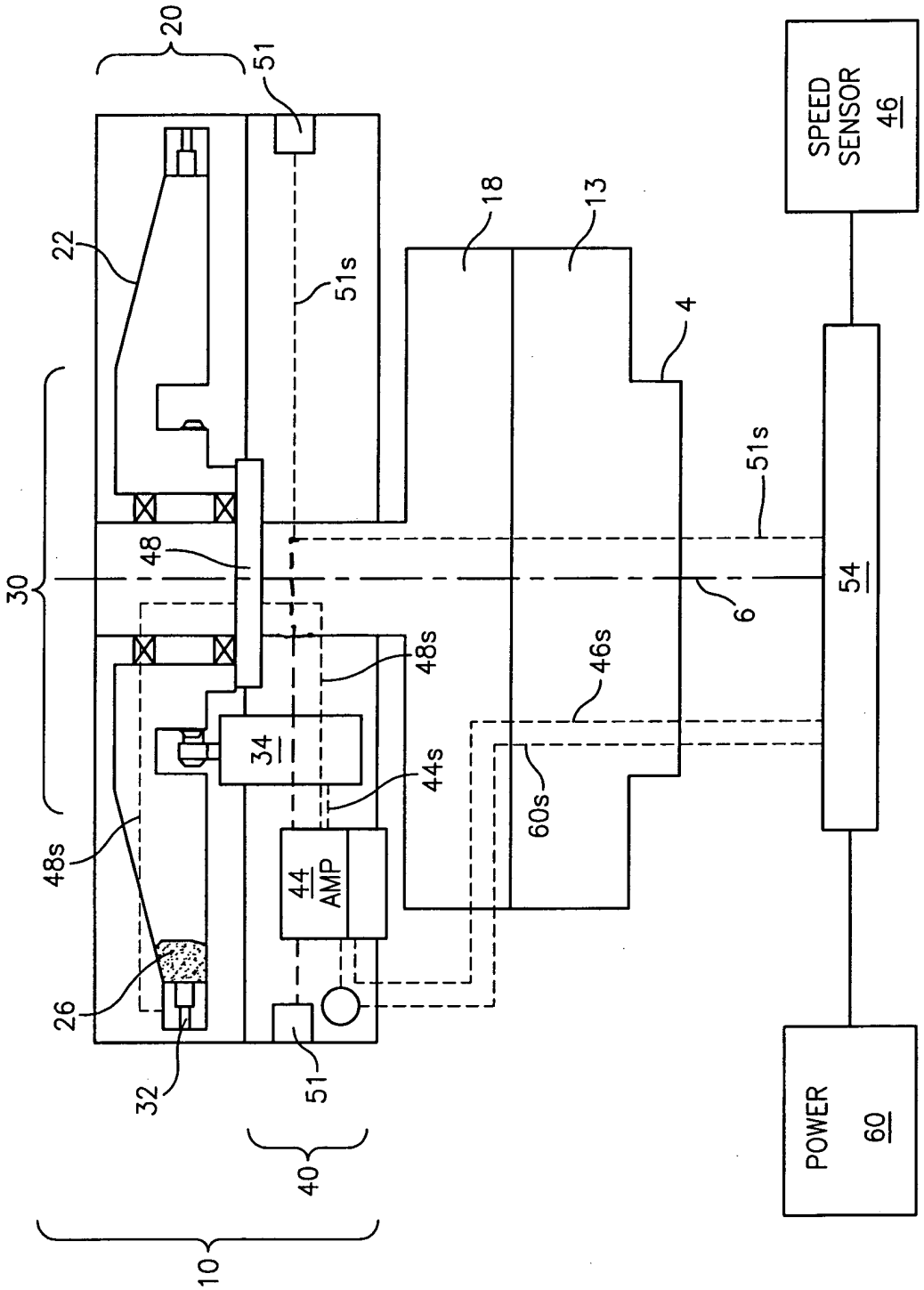
20
51
22
51s
18
13
4
SPEED SENSOR 46
30
48
48s
34
44s
46s
60s
6
54
51s
44 AMP
26
32
51
40
10
POWER 60

FIG. 4

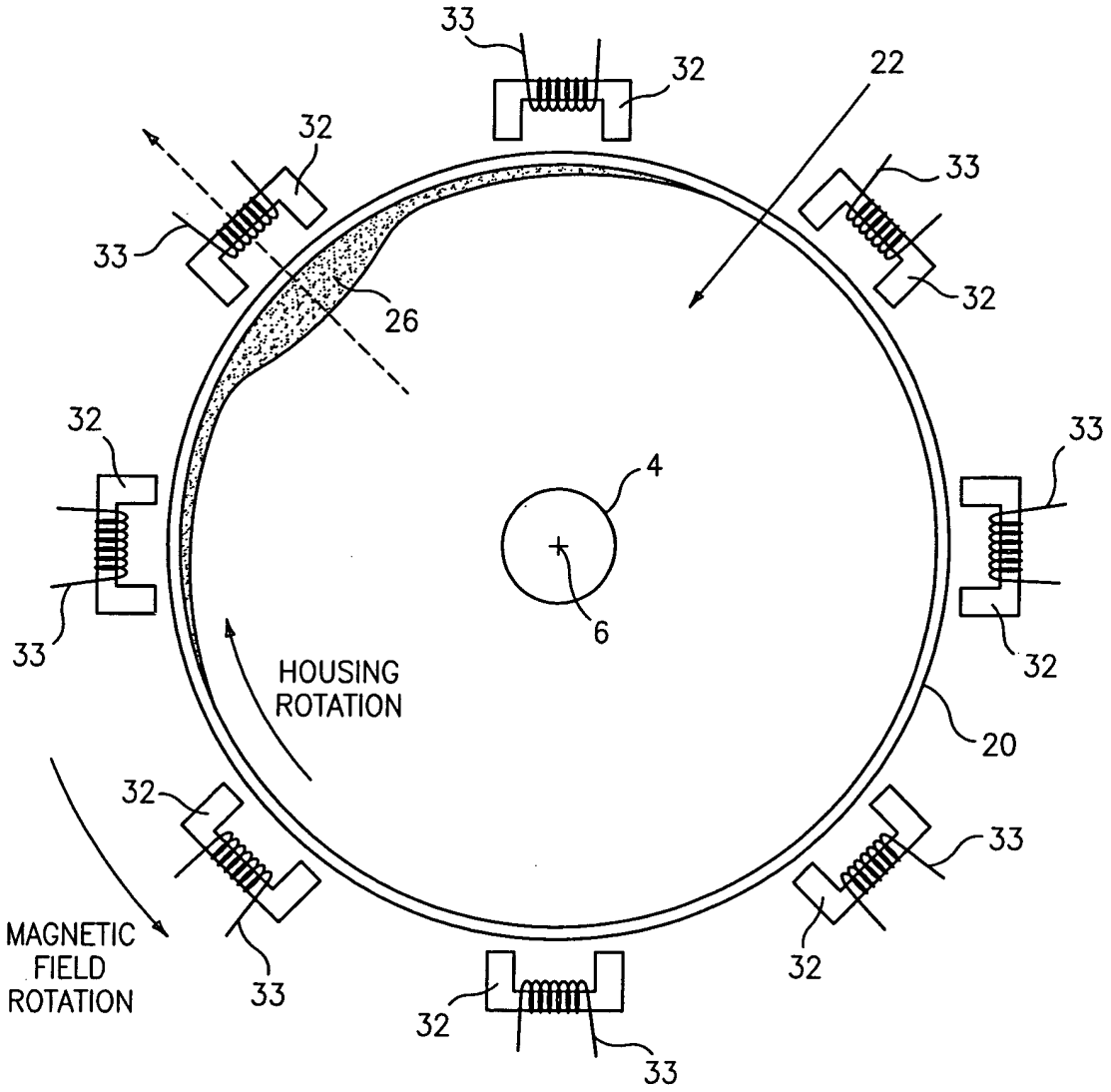
33
32
22
32
33
33
32
26
32
33
4
6
33
32
HOUSING
ROTATION
20
32
33
MAGNETIC
FIELD
ROTATION
33
32
32
33

FIG. 5